

ABSTRACT

Method for controlling an evaporative light scattering detector which is coupled to a liquid chromatography column

Method allowing control of an evaporative light scattering detector which is coupled to a liquid chromatography column, substantially independently of the elution conditions for the chromatographic separation.

A given adjustable constant calibrated volume of the flow which originates from the chromatography column is removed at a given adjustable frequency, this flow being constituted by an eluent which contains compounds to be analysed which have been dissolved therein, and the volume removed in this manner is transferred to a secondary circuit, to which the evaporative light scattering detector is connected, by being conveyed by means of an auxiliary pump with a specific carrier fluid which is independent of the eluent having a predetermined flow, and the successive fractions of the flow which originates from the chromatography column are mixed with the carrier fluid which conveys these fractions upstream of the evaporative light scattering detector.